(Rev. 6-93) OMB No. 0651-001 M&G-ST9-98-024



HEET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name of conveying party(ies): Name and address of receiving party(ies): **International Business Machines Corporation** (1) Linda Gail DeMichiel (6) Yun Wang Armonk, New York 10504 (2) Gene Y.C. Fuh (3) Bruce Gilbert Lindsay (4) Nelson Mendonca Mattos (5) Brian Thinh-Vinh Tran Additional name(s) of conveying party(ies) attached?

Yes
No Additional name(s) & address(es) attached? Yes No Nature of conveyance: Assignment Merger Security Agreement Change of Name Other: Execution Date: (1) 9/29/98; (2) 9/17/98; (3) 9/11/98; (4) 9/18/98; (5), (6) 9/17/984. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 1 B. Patent No.(s) A. Patent Application No.(s) S/N: 09/112,464 Filed: July 9, 1998 Additional numbers attached?
Yes
No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: \$40. 7. Total fee (37 CFR 3.41): ☑ Enclosed☐ Authorize Name: Janaki Komanduri Authorized to be charged to deposit account Merchant, Gould, Smith, Edell, Address: Welter & Schmidt 8. Please charge any additional fees or credit any Westwood Gateway II, Suite 400 overpayments to our Deposit account number: 13-2724 11150 Santa Monica Blvd. Los Angeles, CA 90025-3395 DO NOT USE THIS SPACE 9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. October 5, 1998 Janaki Komanduri Date Name of Person Signing 10/14/1998 INGUYEN 00000074 09112464 Total number of pages including cover sheet, attachments, and document: 5 01 FC:581 Do not detach this portion

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> **PATENT** REEL: 9502 FRAME: 0781

Whereas, we

| INVENTOR AND CITY | (1) Linda Gail DeMichiel County of Santa Clara | of Los Altos , and State of California , | |
|---|---|---|--|
| | and (2) Gene Y.C. Fuh County of Santa Clara | of San Jose , and State of California , | |
| | and (3) Bruce Gilbert Lindsay County of Santa Clara | of San Jose , and State of California , | |
| | and (4) Nelson Mendonca Mattos County of Santa Clara | of San Jose , and State of California , | |
| | and (5) Brian Thinh-Vinh Tran County of Santa Clara | of San Jose , and State of California , | |
| | and (6) Yun Wang County of Santa Clara | of Saratoga , and State of California , | |
| | have invented certain improvements is | n | |
| TITLE | AN EMBEDDED STORAGE MECHANISM FOR ST | RUCTURED DATA TYPES | |
| DATES THAT INVENTORS SIGNED THE DECLARATION | and executed, respectively, a United States patent application therefor on (1), 1998, (2), 1998, (3), 1998, (4), 1998, (5), 1998, (6), 1998, (6), 1998. Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor; | | |
| | Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM. | | |
| | Signed | | |
| CITY DATE | (1) at <u>San Jose</u> on , 1998, <u>Linda</u> | Gail DeMichiel SIGNATURE INVENTOR | |

Gene

Bruce Gilbert Lindsey

Mattos

Nelson Mendonca

CITY

DATE

CITY

DATE

CITY

DATE

PATENT REEL: 9502 FRAME: 0782

SIGNATURE

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SIGNATURE

INVENTOR

INVENTOR

INVENTOR

CITY and (5) at $\frac{1}{2}$ and $\frac{1}{2}$ and $\frac{1}{2}$ and $\frac{1}{2}$ and (6) at $\frac{1}{2}$ and $\frac{1}{2}$ and (6) at $\frac{1}{2}$ and $\frac{1}{2}$ and

PATENT REEL: 9502 FRAME: 0783

Whereas we

| INVENTOR | whereas, we | | | | |
|--|---|---------------------------------------|------|--|------------|
| AND CITY | | Linda Gail DeMichiel Santa Clara | | of Los Altos , and State of C a | llifornia, |
| | | Gene Y.C. Fuh Santa Clara | | of San Jose , and State of Ca | lifornia, |
| | | Bruce Gilbert Lindsay Santa Clara | | of San Jose , and State of Ca | lifornia, |
| | | Nelson Mendonca Mattos Santa Clara | | of San Jose , and State of Ca | lifornia, |
| | | Brian Thinh-Vinh Tran Santa Clara | | of San Jose , and State of C a | lifornia, |
| | and (6) County of | Yun Wang Santa Clara | | of Saratoga , and State of Ca | lifornia, |
| | have inver | nted certain improvement | s in | | |
| TITLE | AN EMBEDDED STORAGE MECHANISM FOR STRUCTURED DATA TYPES | | | | |
| DATES THAT INVENTORS SIGNED THE DECLARATION | | red, respectively, a Uni | | | |
| | Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor; | | | | |
| | Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and females. | | | | |

application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

| | Signed | | |
|--------------|--|------------------------|-----------------------|
| CITY DATE | (1) at LOS Alter CA on Supt 28, 1998, | Linda Gail DeMichiel | SIGNATURE INVENTOR |
| CITY DATE | and (2) at, 1998 , | Gene Y.C. Fuh | SIGNATURE INVENTOR |
| CITY | and (3) at, 1998, | Bruce Gilbert Lindsay | SIGNATURE |
| CITY | and (4) at | | SIGNATURE |
| DATE | on, 1998 , | Nelson Mendonca Mattos | INVENTOR |

PATENT REEL: 9502 FRAME: 0784 Assignment Continued

Docket No. ST998024

| CITY DATE | and (5) at, 1998, | Brian Thinh-Vinh Tran | _SIGNATURE INVENTOR |
|--------------|-------------------|-----------------------|------------------------|
| CITY DATE | and (6) at, 1998, | Yun Wang | SIGNATURE INVENTOR |

PATENT
RECORDED: 10/08/1998 REEL: 9502 FRAME: 0785